



Cast Hardness Relationships

| Leeb E | Leeb D | Shore C | Brinell | Rockwell C | HV (DPN) (30kg) |
|--------|--------|---------|---------|------------|-----------------|
| 440 | 456 | 25 | 180 | 9 | 191 |
| 445 | 462 | 26 | 185 | 10 | 196 |
| 450 | 467 | 27 | 189 | 12 | 200 |
| 455 | 473 | 28 | 194 | 13 | 205 |
| 460 | 478 | 29 | 199 | 14 | 210 |
| 465 | 484 | 30 | 204 | 15 | 215 |
| 470 | 489 | 31 | 209 | 16 | 219 |
| 475 | 495 | 31 | 214 | 17 | 224 |
| 480 | 500 | 32 | 219 | 18 | 229 |
| 485 | 506 | 33 | 224 | 19 | 234 |
| 490 | 511 | 34 | 229 | 20 | 239 |
| 495 | 517 | 35 | 234 | 21 | 245 |
| 500 | 522 | 36 | 240 | 22 | 250 |
| 505 | 528 | 36 | 245 | 23 | 255 |
| 510 | 533 | 37 | 251 | 24 | 260 |
| 515 | 539 | 38 | 256 | 25 | 266 |
| 520 | 544 | 39 | 262 | 26 | 271 |
| 525 | 550 | 40 | 268 | 26 | 277 |
| 530 | 555 | 41 | 274 | 27 | 283 |
| 535 | 561 | 41 | 280 | 28 | 288 |
| 540 | 566 | 42 | 286 | 29 | 294 |
| 545 | 572 | 43 | 292 | 30 | 300 |
| 550 | 577 | 44 | 298 | 31 | 306 |
| 555 | 583 | 45 | 304 | 32 | 312 |
| 560 | 588 | 45 | 311 | 32 | 319 |
| 565 | 593 | 46 | 317 | 33 | 325 |
| 570 | 599 | 47 | 324 | 34 | 331 |
| 575 | 604 | 48 | 330 | 35 | 338 |
| 580 | 610 | 49 | 337 | 36 | 344 |
| 585 | 615 | 49 | 344 | 36 | 351 |
| 590 | 620 | 50 | 351 | 37 | 358 |
| 595 | 626 | 51 | 358 | 38 | 365 |
| 600 | 631 | 52 | 365 | 39 | 372 |
| 605 | 636 | 53 | 372 | 39 | 379 |
| 610 | 642 | 53 | 379 | 40 | 387 |
| 615 | 647 | 54 | 386 | 41 | 394 |
| 620 | 652 | 55 | 394 | 41 | 402 |
| 625 | 658 | 56 | 401 | 42 | 409 |



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|--------|--------|---------|---------|------------|-----------------|
| 630 | 663 | 57 | 409 | 43 | 417 |
| 635 | 668 | 57 | 416 | 43 | 425 |
| 640 | 674 | 58 | 424 | 44 | 433 |
| 645 | 679 | 59 | 432 | 45 | 441 |
| 650 | 684 | 60 | 440 | 45 | 450 |
| 655 | 689 | 61 | 448 | 46 | 458 |
| 660 | 695 | 62 | 456 | 47 | 467 |
| 665 | 700 | 62 | 464 | 47 | 475 |
| 670 | 705 | 63 | 472 | 48 | 484 |
| 675 | 710 | 64 | 481 | 49 | 493 |
| 680 | 716 | 65 | 489 | 49 | 503 |
| 685 | 721 | 66 | 497 | 50 | 512 |
| 690 | 726 | 67 | 506 | 50 | 521 |
| 695 | 731 | 67 | 515 | 51 | 531 |
| 700 | 736 | 68 | 523 | 51 | 541 |
| 705 | 741 | 69 | 532 | 52 | 551 |
| 710 | 746 | 70 | 541 | 53 | 561 |
| 715 | 752 | 71 | 550 | 53 | 571 |
| 720 | 757 | 72 | 559 | 54 | 582 |
| 725 | 762 | 73 | 569 | 54 | 593 |
| 730 | 767 | 73 | 578 | 55 | 603 |
| 735 | 772 | 74 | 587 | 55 | 614 |
| 740 | 777 | 75 | 597 | 56 | 626 |
| 745 | 782 | 76 | 606 | 57 | 637 |
| 750 | 787 | 77 | 616 | 57 | 648 |
| 755 | 792 | 78 | 626 | 58 | 660 |
| 760 | 797 | 79 | 636 | 58 | 672 |
| 765 | 802 | 80 | 645 | 59 | 684 |
| 770 | 807 | 81 | 655 | 59 | 696 |
| 775 | 812 | 82 | 666 | 60 | 709 |
| 780 | 816 | 82 | 676 | 60 | 722 |
| 785 | 821 | 83 | 686 | 61 | 734 |
| 790 | 826 | 84 | 696 | 61 | 747 |
| 795 | 831 | 85 | 707 | 62 | 761 |
| 800 | 836 | 86 | 718 | 62 | 774 |
| 805 | 841 | 87 | 728 | 63 | 788 |
| 810 | 845 | 88 | 739 | 63 | 802 |
| 815 | 850 | 89 | 750 | 64 | 816 |



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| Leeb E | Leeb D | Shore C | Brinell | Rockwell C | HV (DPN) (30kg) |
|--------|--------|---------|---------|------------|-----------------|
| 820 | 855 | 90 | 761 | 64 | 830 |
| 825 | 860 | 91 | 772 | 65 | 845 |
| 830 | 864 | 92 | 783 | 65 | 859 |
| 835 | 869 | 93 | 794 | 66 | 874 |
| 840 | 874 | 94 | 805 | 66 | 889 |
| 845 | 878 | 95 | 817 | 67 | 905 |
| 850 | 883 | 96 | 828 | 67 | 920 |
| 855 | 888 | 97 | 840 | 68 | 936 |
| 860 | 892 | 98 | 852 | 68 | 952 |
| 865 | 897 | 100 | 863 | 69 | 958 |
| 870 | 901 | 101 | 875 | 69 | 985 |